

Title (en)

MULTIPLE BRANCH PEPTIDE CONSTRUCTIONS

Title (de)

VIelfältig verzweigte Peptidkonstruktionen

Title (fr)

CONSTRUCTIONS DE PEPTIDES A PLUSIEURS RAMIFICATIONS

Publication

**EP 0950063 B1 20030326 (EN)**

Application

**EP 97953934 A 19971230**

Priority

- EP 9707334 W 19971230
- GB 9627114 A 19961231

Abstract (en)

[origin: WO9829443A1] Multiple branch peptide constructions formed from peptides derived from the envelope transmembrane glycoprotein gp41 of HIV, and including the consensus sequence RQGY preceded by 0 to 4 amino acid residues and succeeded by 2 to 4 amino acid residues, most preferably RQGYSP, show increased receptor affinity and prevent cell-to-cell fusion. They have a direct virostatic effect. Because they present the same peptide sequence several times, these MBPCs are able to neutralize in vitro the different steps of virus envelope/cell membrane fusion, and infected cell membrane/uninfected cell membrane fusion of several strains of HIV-1 and HIV-2. These results open a potential use in treatment of HIV infection.

IPC 1-7

**C07K 14/16**; **A61K 38/16**

IPC 8 full level

**C07K 14/16** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP US)

**C07K 14/005** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US); **C12N 2740/16122** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9829443 A1 19980709**; AP 9901615 A0 19990930; AT E235511 T1 20030415; AU 5764898 A 19980731; CA 2274853 A1 19980709; CA 2274853 C 20070529; DE 69720266 D1 20030430; DE 69720266 T2 20031204; DK 0950063 T3 20030623; EP 0950063 A1 19991020; EP 0950063 B1 20030326; ES 2195200 T3 20031201; GB 9627114 D0 19970219; PT 950063 E 20030731; US 6379679 B1 20020430

DOCDB simple family (application)

**EP 9707334 W 19971230**; AP 9901615 A 19971230; AT 97953934 T 19971230; AU 5764898 A 19971230; CA 2274853 A 19971230; DE 69720266 T 19971230; DK 97953934 T 19971230; EP 97953934 A 19971230; ES 97953934 T 19971230; GB 9627114 A 19961231; PT 97953934 T 19971230; US 34284799 A 19990629